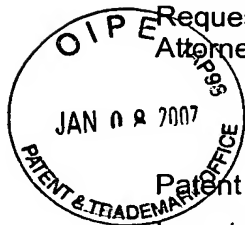


10/821,189.

Cofc



Patent No. 7,112,963  
Request for Cert. of Correction dated January 5, 2007  
Attorney Docket No. 0116-043810

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 7,112,963 Confirmation No. 8223  
Inventors : Hasegawa et al.  
Issued : September 26, 2006  
Title : NMR Measurement Method  
Examiner : Dixomara Vargas  
Customer No. : 28289

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate**

JAN 10 2007

ATTENTION: Decision and Certificate of Correction  
Branch of the Patent Issue Division

**of Correction**

Sir:


In accordance with 35 U.S.C. §§254 and 255, we attach hereto Form PTO/SB/44 and a copy of proof of errors and request that a Certificate of Correction be issued in the above-identified patent. The following errors appear in the patent as printed:

- (1) Title Page insert the following:  
--Item (30) **Foreign Application Priority Data**,  
April 11, 2003 (JP) .....2003-107251--  
(See the Claim for Priority Under 35 U.S.C. § 119, filed on May 31, 2006  
and acknowledged June 29, 2006.)
- (2) Column 14, Line 24, Claim 6, "of the in an excited state" should read  
-- in an excited state --  
(See the Amendment dated March 9, 2006, page 3, Claim 9, Line 7.  
Claim 9 issued as Claim 6.)

Error No. (2) is an obvious typographical error made by Applicants. A check for \$100.00 is attached to cover the fee for correction of Applicants' mistake. The remaining error is a printing error.

Respectfully submitted,

THE WEBB LAW FIRM

By 

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7,112,963  
APPLICATION NO. : 10/821,189  
ISSUE DATE : September 26, 2006  
INVENTORS : Hasegawa et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Face of the Patent, insert the following:

--Item (30) Foreign Application Priority Data,  
April 11, 2003 (JP) .....2003-107251--

Column 14, Line 24, Claim 6, "of the in an excited state" should read  
-- in an excited state --

MAILING ADDRESS OF SENDER: The Webb Law Firm  
700 Koppers Building  
436 Seventh Avenue  
Pittsburgh, PA 15219

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-2450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select Option 2.*



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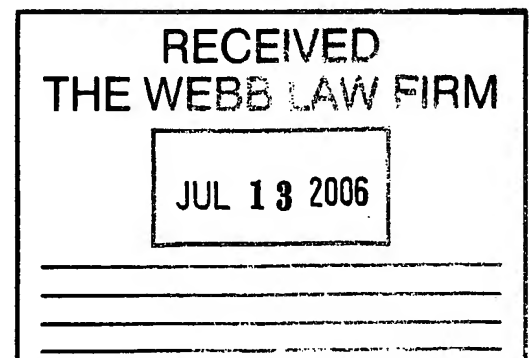
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/821,189	04/08/2004	Kenichi Hasegawa	116-043810	8223
28289	7590	06/29/2006		
THE WEBB LAW FIRM, P.C. 700 KOPPERS BUILDING 436 SEVENTH AVENUE PITTSBURGH, PA 15219			EXAMINER VARGAS, DIXOMARA	
			ART UNIT 2859	PAPER NUMBER
DATE MAILED: 06/29/2006				



## PRIORITY ACKNOWLEDGMENT

- ☒ 1. Receipt is acknowledged of priority papers submitted under 35 U.S.C. 119. The papers have been placed of record in the file.
- ☐ 2. Applicant's claim for priority, based on papers filed in parent Application Number \_\_\_\_\_ submitted under 35 U.S.C. 119, is acknowledged.
- ☐ 3. The priority papers, submitted \_\_\_\_\_, after payment of the issue fee are
- ☐ acknowledged
- While the priority claim or certified copy filed will be placed in the file record, neither will be reviewed and the patent when published will not include the priority claim.
- See 37 CFR 1.55(a)(2).
- ☐ not acknowledged since the processing fee in 37 CFR 1.17(i) has not been received.
- ☐ 4. For utility and plant applications filed on or after November 29, 2000, the priority claim is not entered because the claim was not presented within the time limit required by 37 CFR 1.55(a)(1). A petition to accept a delayed claim for priority under 35 U.S.C. 119(a) - (d) or (f), or 365(a) may be filed. See 37 CFR 1.55(c) and MPEP 201.14(a).

*Timothy Caldwell*  
Manager, Publishing Division  
Office of Patent Publication  
(703) 305-8388



Application No. 10/821,189  
Paper Dated May 31, 2006  
Notice of Allowance Dated April 10, 2006  
Attorney Docket No. 0116-043810



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/821,189 Confirmation No. 8223  
Applicants : Kenichi HASEGAWA et al.  
Filed : April 8, 2004  
Title : NMR MEASUREMENT METHOD  
Art Unit : 2859  
Examiner : Dixomara Vargas  
Customer No. : 28289

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

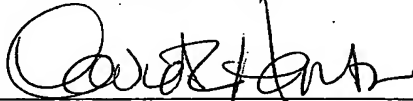
CLAIM FOR PRIORITY UNDER 35 U.S.C. § 119

Sir:

Attached hereto is a certified copy of Japanese Patent Application No. 2003-107251 which corresponds to the above-identified United States patent application and which was filed in the Japanese Patent Office on April 11, 2003. The priority benefits provided by Section 119 of the Patent Act of 1952 are claimed for the above application.

Respectfully submitted,

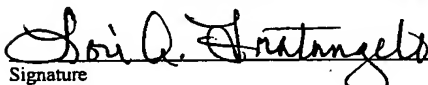
THE WEBB LAW FIRM

By 

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on May 31, 2006.

Lori A. Fratangelo  
(Name of Person Mailing Paper)

 05/31/2006  
Signature Date

日 本 国 特 許 庁  
JAPAN PATENT OFFICE

別紙添付の書類に記載されている事項は下記の出願書類に記載されている事項と同一であることを証明する。

This is to certify that the annexed is a true copy of the following application as filed with this Office.

出 願 年 月 日            2 0 0 3 年   4 月 1 1 日  
Date of Application:

出 願 番 号            特 願 2 0 0 3 - 1 0 7 2 5 1  
Application Number:  
[ST. 10/C] :            [ J P 2 0 0 3 - 1 0 7 2 5 1 ]

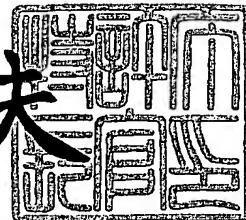
出 願 人            日 本 電 子 株 式 有 限 公 司  
Applicant(s):

CERTIFIED COPY OF  
PRIORITY DOCUMENT

2 0 0 4 年   4 月 2 6 日

特許庁長官  
Commissioner,  
Japan Patent Office

今 井 康 夫



出証番号   出証特 2 0 0 4 - 3 0 3 5 8 3 9

Application No. 10/821,189  
Paper Dated March 9, 2006  
Reply to Office Action dated Dec. 29, 2005  
Attorney Docket No. 116-043810  
**Response Under 37 CFR § 1.116**  
**Expedited Examining Procedure**  
**Examining Group 2800**



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/821,189 Confirmation No. 8223  
Applicants : KENICHI HASEGAWA ET AL.  
Filed : April 8, 2004  
Title : NMR MEASUREMENT METHOD (AS AMENDED)  
Art Unit : 2859  
Examiner : Dixomara Vargas  
Customer No. : 28289

**MAIL STOP AF**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT

Sir:

In response to the Office Action of December 29, 2005, please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks** begin on page 6 of this paper.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 9, 2006.

Lori A. Fratangelo  
(Name of Person Mailing Paper)

*Lori A. Fratangelo*  
Signature

03/09/2006  
Date

Application No. 10/821,189  
Paper Dated March 9, 2006  
Reply to Office Action dated Dec. 29, 2005  
Attorney Docket No. 116-043810  
**Response Under 37 CFR § 1.116**  
**Expedited Examining Procedure**  
**Examining Group 2800**



from the measurement frequency of the NMR signal by a given frequency and can also resonate in the same resonance mode as the measurement frequency for the NMR signal.

Claim 4 (Cancelled).

Claim 5 (Withdrawn): An NMR measurement method comprising the steps

applying RF power of a frequency not affecting measurement of an NMR signal to a detection coil or the RF irradiation coil such that reflected RF power is produced; and

detecting an increase in the temperature of the detection coil or the RF irradiation coil from the strength of the reflected RF power.

Claim 6 (Withdrawn): The NMR measurement method set forth in claim 5, wherein said detection coil or the RF irradiation coil has a resonance mode which is different from a resonance mode at a measurement frequency for the NMR signal and which does not affect the measurement of the NMR signal.

Claim 7 (Withdrawn): The NMR measurement method set forth in claim 5, wherein said frequency not affecting the measurement of the NMR signal is shifted from a measurement frequency for the NMR signal by a given frequency and can resonate in the same resonance mode as the measurement frequency for the NMR signal.

Claim 8 (Withdrawn): The NMR measurement method of any one of claims 5 to 7, wherein the RF power of the frequency not affecting the measurement of the NMR signal can be so adjusted that the ratio of the RF power reflected from the detection coil or the RF irradiation coil to the RF power applied to the detection coil or the RF irradiation coil is minimized.

Claim 9 (Currently Amended): In an NMR apparatus comprising:

means for subjecting a sample or specimen to a strong static magnetic field to induce precessional motion to the magnetic moments of atomic nuclei within the sample or specimen;

5 a an RF irradiation coil for applying RF power perpendicularly to the direction of the static magnetic field and at a frequency to induce precessional motion of the magnetic moments of the in an excited state;